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	Type	L #	Hits	Search Text	DBs	Time Stamp	Errors	Errors
1	BRS	L1	0	cyroacure same uvr same "6105"	USPAT	2000/09/20 15:46	0	0
2	BRS	L2	16	cyracure same uvr same "6105"	USPAT	2000/09/20 15:58	0	0
3	BRS	L3	3701	3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene carboxylate	USPAT	2000/09/20 15:58	0	0
4	BRS	L4	374	3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene adj carboxylate	USPAT	2000/09/20 15:59	0	0
5	BRS	L6	0	4 and 5	USPAT	2000/09/20 16:00	0	0
6	BRS	L5	278	(Epon adj "1050") or (ECN adj ("1273" "1280" "9495"))	USPAT	2000/09/20 16:03	0	0
7	BRS	L7	0	5 and (25\$acrylate 25\$methacrylate)	USPAT	2000/09/20 16:04	0	0
8	BRS	L8	160	5 and (acrylate methacrylate)	USPAT	2000/09/20 16:05	0	0
9	BRS	L9	29	5 and (acrylate methacrylate) and (cycloaliphatic adj epoxy)	USPAT	2000/09/20 16:36	0	0
10	BRS	L10	184	525/482.ccls.	USPAT	2000/09/20 17:20	0	0
11	BRS	L11	88	sr adj "351"	USPAT	2000/09/20 18:23	0	0
12	BRS	L12	245	522/142,144.ccls.	USPAT	2000/09/20 18:24	0	0
13	BRS	L13	245	(522/142 522/144).ccls.	USPAT	2000/09/20 18:24	0	0
14	BRS	L14	245	(522/142 522/144).ccls. not 10	USPAT	2000/09/20 18:24	0	0
15	BRS	L15	245	(522/142 522/144).ccls. not 525/482.ccls.	USPAT	2000/09/20 18:25	0	0

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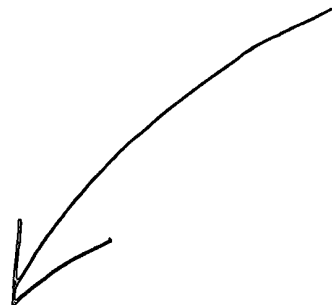
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Cited in Search notes

East search

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Errors
1	BRS	L1	0	cyroacure same uvr same	USPA	2000/09/20 15:46		0
2	BRS	L2	16	cyroacure same uvr same	USPA	2000/09/20 15:58		0
3	BRS	L3	37	354 epoxycyclohexylmethyl-3,4-epoxycyclohexene adj	USPA	2000/09/20 15:58		0
4	BRS	L4	37	354 epoxycyclohexylmethyl-3,4-epoxycyclohexene adj	USPA	2000/09/20 15:59		0
5	BRS	L6	0	carboxylate 4 and 5	USPA	2000/09/20 16:00		0
6	BRS	L5	27	(Epon adj "1050") or (ECN adj	USPA	2000/09/20 16:03		0
7	BRS	L7	0	51223 (25\$acrylate	USPA	2000/09/20 16:04		0
8	BRS	L8	16	51223 (25\$acrylate methacrylate)	USPA	2000/09/20 16:05		0
9	BRS	L9	29	5 and (acrylate methacrylate) and (cycloaliphatic	USPA	2000/09/20 16:36		0
10	BRS	L10	18	adj epoxy 525/482.ccls.	USPA	2000/09/20 17:20		0
11	BRS	L11	88	sr adj "351"	USPA	2000/09/20 18:23		0
12	BRS	L12	24	522/142,144.ccls.	USPA	2000/09/20 18:24		0
13	BRS	L13	24	(522/142 (522/144).ccls.	USPA	2000/09/20 18:24		0
14	BRS	L14	24	(522/142 (522/144).ccls.	USPA	2000/09/20 18:24		0
15	BRS	L15	24	(522/142 (522/144).ccls. not	USPA	2000/09/20 18:25		0

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	Type	L #	Hits	Search Text	DBs	Time Stamp	Errors
1	BRS	L1	0	cyroacure same uvr same "6105"	USPAT	2000/09/20 15:46	0
2	BRS	L2	16	cyroacure same uvr same "6105"	USPAT	2000/09/20 15:58	0
3	BRS	L3	37	3,4-epoxycyclohexyl methyl-3,4-epoxycyclohexene carboxylate	USPAT	2000/09/20 15:58	0
4	BRS	L4	37	3,4-epoxycyclohexyl methyl-3,4-epoxycyclohexene adl	USPAT	2000/09/20 15:59	0
5	BRS	L6	0	carboxylate 4 and 5	USPAT	2000/09/20 16:00	0
6	BRS	L5	27	(Epon adl "1050") or (ECN adl "1273")	USPAT	2000/09/20 16:03	0
7	BRS	L7	0	5 and (25% acrylate) 25% methacrylate	USPAT	2000/09/20 16:04	0
8	BRS	L8	16	5 and (acrylate methacrylate)	USPAT	2000/09/20 16:05	0
9	BRS	L9	29	5 and (acrylate methacrylate) and	USPAT	2000/09/20 16:36	0
10	BRS	L10	18	(cycloaliphatic adl ep 525/482.ccls.	USPAT	2000/09/20 17:20	0
11	BRS	L11	88	sr adl "351"	USPAT	2000/09/20 18:23	0
12	BRS	L12	24	5 522/142,144.ccls.	USPAT	2000/09/20 18:24	0
13	BRS	L13	24	5 (522/142 5 522/144).ccls.	USPAT	2000/09/20 18:24	0
14	BRS	L14	24	5 (522/142 5 522/144).ccls. not	USPAT	2000/09/20 18:24	0
15	BRS	L15	24	5 (522/142 5 522/144).ccls. not	USPAT	2000/09/20 18:25	0

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East Product
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Search

	Type	Search Text	DBs	Time Stamp	Errors
1	B:0 R:0 S:1	cyroacure same uvr same "6105"	USP AT	2000/09/20 15:46	0
2	B:1 R:6 S:3	cyracure same uvr same "6105"	USP AT	2000/09/20 15:58	0
3	B:3 R:7 S:0	3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene carboxylate	USP AT	2000/09/20 15:58	0
4	B:3 R:3 S:7	3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene adj carboxylate	USP AT	2000/09/20 15:59	0
5	B:1 R:0 S:1	((3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene adj carboxylate) and ((Epon adj "1050") or (ECN adj ("1273" "1280" "9495"))	USP AT	2000/09/20 16:00	0
6	B:2 R:7 S:8	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495"))	USP AT	2000/09/20 16:03	0
7	B:1 R:0 S:1	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495")) and (25\$acrylate 25\$methacrylate)	USP AT	2000/09/20 16:04	0
8	B:1 R:6 S:0	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495")) and (acrylate methacrylate)	USP AT	2000/09/20 16:05	0
9	B:2 R:9 S:1	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495")) and (acrylate methacrylate) and (cycloaliphatic adj epoxy)	USP AT	2000/09/20 16:36	0
10	B:1 R:8 S:4	525/482.ccls.	USP AT	2000/09/20 17:20	0
11	B:1 R:8 S:9	sr adj "351"	USP AT	2000/09/20 18:23	0
12	B:2 R:4 S:5	522/142,144.ccls.	USP AT	2000/09/20 18:24	0
13	B:2 R:4 S:5	(522/142 522/144).ccls.	USP AT	2000/09/20 18:24	0
14	B:2 R:4 S:5	(522/142 522/144).ccls. not 525/482.ccls.	USP AT	2000/09/20 18:24	0
15	B:2 R:4 S:5	(522/142 522/144).ccls. not 525/482.ccls.	USP AT	2000/09/20 19:48	0
16	B:3 R:2 S:1	bf-1000 or bf adj "1000"	USP AT	2000/09/20 18:44	0
17	B:4 R:3 S:9	(430/280.1 or 522/2,170).ccls.	USP AT	2000/09/20 19:49	0
18	B:4 R:3 S:5	(430/280.1 or 522/2,170).ccls. not (525/482 522/144,142).ccls.	USP AT	2000/09/21 08:57	0
19	B:1 R:1 S:1	("6120974").PN.	USP AT	2000/09/21 08:58	0
20	B:1 R:1 S:1	("5965325").PN.	USP AT	2000/09/21 08:58	0
21	B:3 R:6 S:3	(cresol novolac) near10 (epoxy or epoxid\$5)	USP AT	2000/09/21 11:35	0
22	B:3 R:5 S:9	(cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)	USP AT	2000/09/21 11:36	0

Reissue 09481654.wsp

T y p e	H i s	Search Text	DBs	Time Stamp	C e r r o r s
23	I B 5 R 5 S 8 9	(cycloaliphatic epoxycyclohexene epoxycyclohexyl\$20) and (epoxid\$25 or epoxy\$25)	USP AT	2000/09/21 11:40	C e r r o r s

Sample

	Types	Search Text	DBs	Time Stamp	Errors
1	B:0 R:0 S:0	cyroacure same uvr same "6105"	USP AT	2000/09/20 15:46	0
2	B:1 R:6 S:3	cyracure same uvr same "6105"	USP AT	2000/09/20 15:58	0
3	B:3 R:7 S:0	3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene carboxylate	USP AT	2000/09/20 15:58	0
4	B:1 R:5 S:7	3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene adj carboxylate	USP AT	2000/09/20 15:59	0
5	B:1 R:0 S:0	((3,4-epoxycyclohexylmethyl-3,4-epoxycyclohexene adj carboxylate) and ((Epon adj "1050") or (ECN adj ("1273" "1280" "9495")))	USP AT	2000/09/20 16:00	0
6	B:2 R:7 S:8	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495")))	USP AT	2000/09/20 16:03	0
7	B:1 R:0 S:0	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495"))) and (25\$acrylate 25\$methacrylate)	USP AT	2000/09/20 16:04	0
8	B:1 R:6 S:0	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495"))) and (acrylate methacrylate)	USP AT	2000/09/20 16:05	0
9	B:2 R:9 S:0	((Epon adj "1050") or (ECN adj ("1273" "1280" "9495"))) and (acrylate methacrylate) and (cycloaliphatic adj epoxy)	USP AT	2000/09/20 16:36	0
10	B:1 R:8 S:4	525/482.ccls.	USP AT	2000/09/20 17:20	0
11	B:1 R:8 S:8	sr adj "351"	USP AT	2000/09/20 18:23	0
12	B:2 R:4 S:5	522/142,144.ccls.	USP AT	2000/09/20 18:24	0
13	B:2 R:4 S:5	(522/142 522/144).ccls.	USP AT	2000/09/20 18:24	0
14	B:2 R:4 S:5	(522/142 522/144).ccls. not 525/482.ccls.	USP AT	2000/09/20 18:24	0
15	B:2 R:4 S:5	(522/142 522/144).ccls. not 525/482.ccls.	USP AT	2000/09/20 19:48	0
16	B:1 R:2 S:4	bf-1000 or bf adj "1000"	USP AT	2000/09/20 18:44	0
17	B:4 R:3 S:9	(430/280.1 or 522/2,170).ccls.	USP AT	2000/09/20 19:49	0
18	B:4 R:3 S:5	(430/280.1 or 522/2,170).ccls. not (525/482 522/144,142).ccls.	USP AT	2000/09/22 15:59	0
19	B:1 R:1 S:1	("6120974").PN.	USP AT	2000/09/21 08:58	0
20	B:1 R:1 S:1	("5965325").PN.	USP AT	2000/09/21 08:58	0
21	B:3 R:6 S:3	(cresol novolac) near10 (epoxy or epoxid\$5)	USP AT	2000/09/21 11:35	0
22	B:5 R:5 S:9	(cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)	USP AT	2000/09/21 12:02	0

Type	H	Search Text	DBs	Time Stamp	Error
23	B:5 R:5 S:8	(cycloaliphatic epoxycyclohexene epoxycyclohexyl\$20) and (epoxid\$25 or epoxy\$25)	USP AT	2000/09/21 12:02	
24	B:5 R:5 S:9	(cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)	USP AT	2000/09/21 12:07	
25	B:5 R:5 S:9	(cycloaliphatic epoxycyclohexene epoxycyclohexyl\$15) and (epoxid\$20 or epoxy\$20)	USP AT	2000/09/21 12:03	
26	B:1 R:5 S:0	(cycloaliphatic epoxycyclohexene epoxycyclohexyl\$15) and (epoxid\$10 or epoxy)	USP AT	2000/09/21 12:04	
27	B:2 R:2 S:0	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) and ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$15) and (epoxid\$10 or epoxy))	USP AT	2000/09/21 12:05	
28	B:4 R:2 S:3	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) and ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$15) and (epoxid\$10 or epoxy)) and (acrylate or methacrylate or free adl radical)	USP AT	2000/09/21 12:06	
29	B:5 R:5 S:9	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) same ((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5))	USP AT	2000/09/21 12:08	

Type	Hid	Search Text	DBs	Time Stamp	Error
30	B: 7 R: 3 S: 3	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) same ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$15) and (epoxid\$20 or epoxy\$20))	USP AT	2000/09/21 12:12	
31	B: 5 R: 1 S: 7	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) same ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$15) and (epoxid\$20 or epoxy\$20))) and (acrylate or methacrylate or free adj radical)	USP AT	2000/09/21 12:11	
32	B: 7 R: 3 S: 3	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) same ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$10) and (epoxid\$10 or epoxy))	USP AT	2000/09/21 12:13	
33	B: 5 R: 1 S: 8	((cresol novolac novolak or novalac or novalak) near10 (epoxy or epoxid\$5)) same ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$10) and (epoxid\$10 or epoxy))) and (methacrylate or acrylate or free adj radical\$3)	USP AT	2000/09/22 16:00	
34	B: 1 R: 8 S: 1	("4555414").PN.	USP AT	2000/09/21 13:54	

	T y p e	L #	H ic s	Search Text	DBs	Time Stamp	C o m m e n t s	Error Definition	E r r o r
1	S	L1		("3742086").PN.	USP AT	2000/09/2 2 15:08			0
2	B R S	L4 2 5		(430/280.1 or 522/2,170).ccls. not (525/482 522/144,142).ccls.	USP AT	2000/09/2 2 15:59			0
3	B R S	L4 3 8		5 (((cresol novolac novolak or novalac or novalak) near 10 (epoxy or epoxid\$5)) same ((cycloaliphatic epoxycyclohexene epoxycyclohexyl\$10) and (epoxid\$10 or epoxy))) and (methacrylate or acrylate or free adj radical\$3)	USP AT	2000/09/2 2 16:00			0
4	B R S	L4 4 8		2 42 and 43	USP AT	2000/09/2 2 16:01			0

(FILE 'HOME' ENTERED AT 16:13:27 ON 20 SEP 2000)

FILE 'REGISTRY' ENTERED AT 16:13:44 ON 20 SEP 2000
L1 1 S CYRACURE AND 6105
L2 6 S EPON AND 1050
L3 0 S EPON 1050

FILE 'CA' ENTERED AT 16:15:00 ON 20 SEP 2000
L4 1632 S L1
L5 32 S L4 AND (NOVOLAC OR CRESOL)
L6 4 S L5 AND (FREE RADICAL? OR ACRYLATE? OR METHACRYLATE?)

FILE 'USPATFULL' ENTERED AT 16:17:02 ON 20 SEP 2000
L7 129 S L6
L8 0 S L1(P) (NOVOLAC OR CRESOL) AND FREE RADICAL?

STN search
ON SN 09-481654
Reissue

C. H. Humber

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DICTIONARY FILE UPDATES: 19 SEP 2000 HIGHEST RN 289697-49-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 11, 2000

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Structure search limits have been increased. See HELP SLIMIT
for details.

=> s cyracure and 6105

44 CYRACURE
34 6105
L1 1 CYRACURE AND 6105

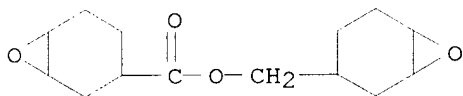
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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2000 ACS
RN 25085-98-7 REGISTRY
CN 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 7-oxabicyclo[4.1.0]hept-3-
ylmethyl ester, homopolymer (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 7-oxabicyclo[4.1.0]hept-3-
ylmethyl ester, polymers (8CI)
OTHER NAMES:
CN (3,4-Epoxy cyclohexyl)methyl 3,4-epoxycyclohexylcarboxylate polymer
CN 3,4-Epoxy cyclohexylmethyl 3',4'-epoxycyclohexanecarboxylate polymer
CN 3,4-Epoxy cyclohexylmethyl 3,4-epoxycyclohexanecarboxylate homopolymer
CN 3,4-Epoxy cyclohexylmethyl 3,4-epoxycyclohexanecarboxylate polymer
CN 3,4-Epoxy cyclohexylmethyl 3,4-epoxycyclohexanecarboxylate resin
CN 3,4-Epoxy cyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate homopolymer
CN Adeka Optomer ERL 4221
CN Adeka Optomer KRM 2110
CN Araldite CY 179
CN Bakelite ERL 4221
CN Bakelite ERL 4221G
CN Bakelite ERL 4421
CN CEL 2021P
CN Celloxide 2021
CN Celloxide 2021A
CN Celloxide 2021P
CN Celloxide 2201
CN CH 221
CN Chissonox 221
CN Chissonox CX 221
CN CP 1608
CN CX 221
CN CY 179
CN **Cyracure UVR 6100**
CN **Cyracure UVR 6105**
CN **Cyracure UVR 6110**
CN Degacure K 126
CN Degussa 126
CN Diepoxid 126
CN Epikote 171
CN ER 4221
CN ERL 4211

CN ERL 4221
 CN ERL 4221D
 CN ERL 4221E
 CN ERL 4421
 CN ERLA 4221
 CN K 126
 CN KRM 2110
 CN Poly[(3,4-epoxycyclohexyl)methyl 3,4-epoxycyclohexanecarboxylate]
 CN SarCat K 126
 CN Ucar 4221
 CN Unox 221
 CN Unox 4221
 CN UP 632
 CN Uvacure 1500
 CN **UVR 6105**
 CN UVR 6110
 DR 9083-95-8, 11120-79-9, 125053-37-4, 121396-47-2, 129773-39-3, 95078-13-0,
 95078-14-1, 50809-37-5, 50861-60-4, 61489-54-1, 65430-69-5, 111483-58-0,
 137607-28-4, 146123-76-4, 30350-17-5, 39354-66-0, 52725-58-3,
 189201-55-6,
 216496-08-1, 251369-29-6
 MF (C14 H20 O4)x
 CI PMS, COM
 PCT Epoxy resin, Polyester
 LC STN Files: BIOSIS, CA, CAPLUS, CHEMLIST, CIN, IFICDB, IFIPAT, IFIUDB,
 PROMT, TOXLINE, TOXLIT, USPATFULL
 Other Sources: NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

 CM 1

 CRN 2386-87-0
 CMF C14 H20 O4



1589 REFERENCES IN FILE CA (1967 TO DATE)
 119 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1591 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> s epon and 1050

535 EPON
 182 1050
 L2 6 EPON AND 1050

=> s epon 1050

535 EPON
 182 1050
 L3 0 EPON 1050
 (EPON(W)1050)

=> d 12 6

L2 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2000 ACS
 RN 25068-38-6 REGISTRY
 CN Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

OTHER NAMES:

CN 1-Chloro-2,3-epoxypropane-4,4'-isopropylidenediph 1 polymer
CN 164SV
CN 2,2-Bis(4-hydroxyphenyl)propane-epichlorohydrin copolymer
CN 2,2-Bis(4-hydroxyphenyl)propane-epichlorohydrin polymer
CN 2,2-Bis(hydroxyphenyl)propane-epichlorohydrin copolymer
CN 2,2-Bis(p-hydroxyphenyl)propane-epichlorohydrin condensate
CN 2,2-Bis(p-hydroxyphenyl)propane-epichlorohydrin copolymer
CN 2,2-Bis(p-hydroxyphenyl)propane-epichlorohydrin polymer
CN 2,2-Diphenylolpropane-epichlorohydrin polymer
CN 4,4'-Dihydroxydiphenylpropane-epichlorohydrin polymer
CN 4,4'-Isopropylidenediphenol-epichlorohydrin polymer
CN 684EK40
CN A 39
CN A 39 (polymer)
CN AA 2662
CN AD 301
CN Adbond 5300A
CN Adeka EP 4300
CN Adeka EP 5100-75X
CN Adeka EP 5700
CN Adeka EP 5900
CN Adeka Optomer KRM 2410
CN AER 331
CN AER 337
CN AER 661
CN AER 661x-75
CN AER 664
CN AER 664P
CN AER 667
CN AER 669
CN Aicarpox BL
CN Aicarpox BL 100
CN Aicarpox BS
CN Aicarpox BS 001
CN Aicarpox BS 001OG
CN Aicarpox BS 001SS
CN Aicarpox BS 004
CN Aicarpox BS 004S
CN AP 2
CN Araldite 471X75
CN Araldite 527
CN Araldite 6004
CN Araldite 6005
CN Araldite 6010
CN Araldite 6020
CN Araldite 6071
CN Araldite 6084
CN Araldite 6097
CN Araldite 6099
CN Araldite 6100
CN **Bisphenol A-Epon 829 copolymer**
CN **Epiclon 1050**
CN **Epiclon 1050-70**
CN **Epon 1001**
CN **Epon 1001B80**
CN **Epon 1001F**
CN **Epon 1001X75**
CN **Epon 1001X80**
CN **Epon 1002**
CN **Epon 1002F**
CN **Epon 1004**
CN **Epon 1004F**
CN **Epon 1007**

CN Epon 1007F
 CN Epon 1009
 CN Epon 1009F
 CN Epon 1010
 CN Epon 1104
 CN Epon 2001
 CN Epon 2002
 CN Epon 2004
 CN Epon 201
 CN Epon 2042
 CN Epon 287
 CN Epon 291
 CN Epon 384
 CN Epon 820
 CN Epon 825
 CN Epon 826
 CN Epon 827
 CN Epon 828
 CN Epon 828LS
 CN Epon 828RS
 CN Epon 829
 CN Epon 830
 CN Epon 834
 CN Epon 834X90
 CN Epon 836
 CN Epon 840
 CN Epon 880
 CN Epon 9102
 CN Epon 9302
 CN Epon DPS 2012
 CN Epon DPS 2014
 CN Epon DRH 201
 CN Eponol 53
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 CN Eponol 53L32
 CN Eponol 55
 CN Eponol 55B40
 CN Eponol 55BQ20
 CN Eponol 55L32

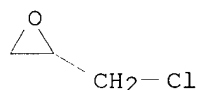
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
 DISPLAY

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 222835-74-7, 222835-77-0
 MF (C15 H16 O2 . C3 H5 Cl O)x
 CI PMS, COM
 PCT Epoxy resin
 LC STN Files: BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAPLUS, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, CSNB, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS,
 NIOSHTIC, PDLCOM*, PIRA, PLASPEC*, PROMT, RTECS*, TOXLINE, TOXLIT,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)

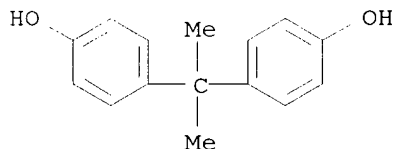
CM 1

CRN 106-89-8
 CMF C3 H5 Cl O



CM 2

CRN 80-05-7
 CMF C15 H16 O2



22927 REFERENCES IN FILE CA (1967 TO DATE)
 3693 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 22950 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> file ca

COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
25.04	25.19

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FILE COVERS 1967 - 15 Sep 2000 VOL 133 ISS 13
FILE LAST UPDATED: 15 Sep 2000 (20000915/ED)

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=> d his

(FILE 'HOME' ENTERED AT 16:13:27 ON 20 SEP 2000)

FILE 'REGISTRY' ENTERED AT 16:13:44 ON 20 SEP 2000

L1 1 S CYRACURE AND 6105
L2 6 S EPON AND 1050
L3 0 S EPON 1050

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=> s l1

L4 1632 L1

=> s l4 and (novolac or cresol)

1288 NOVOLAC
28558 CRESOL
L5 32 L4 AND (NOVOLAC OR CRESOL)

=> s l5 and (free radical? or acrylate? or methacrylate?)

755362 FREE
233059 RADICAL?
55958 FREE RADICAL?
(FREE(W)RADICAL?)
127658 ACRYLATE?
143880 METHACRYLATE?
L6 4 L5 AND (FREE RADICAL? OR ACRYLATE? OR METHACRYLATE?)

=> d all 1-4

L6 ANSWER 1 OF 4 CA COPYRIGHT 2000 ACS
AN 125:88164 CA
TI Hydrolytic stable glass fiber-reinforced polyester resins

IN van Helmond, Jan
 PA General Electric Company, USA
 SO Eur. Pat. Appl. 10 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM C08L067-02
 ICS C08L063-00
 CC 37-6 (Plastics Manufacture and Processing)
 Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 712899	A1	19960522	EP 1994-118257	19941119
	EP 712899	B1	19990602		
	R: DE, ES, FR, GB, IT, NL				
	ES 2131620	T3	19990801	ES 1994-118257	19941119
	US 5731390	A	19980324	US 1995-434132	19950502
PRAI	EP 1994-118257		19941119		

AB A thermoplastic resin compn. having improved hydrolytic stability having in admixt. a satd. polyester resin such as poly(butylene terephthalate), an epoxy **novolac**, a glass fiber reinforcing filler and a catalyst such as sodium stearate. Preferably the polyester component is selected from the group consisting of poly(butylene terephthalate), poly(ethylene terephthalate), poly(1,4-cyclohexanedimethanol terephthalate) and blends of any of the foregoing, and is present in an amt. ranging from .apprx.15-80% based on the wt. of the total compn. The preferred epoxy compd. is an ortho **cresol novolac** epoxy resin.

ST hydrolytic stable polyester epoxy glass composite; impact resistant polyester glass extrusion compn; molding compn **novolac** epoxy polyester glass

IT Fireproofing agents
 Impact-resistant materials
 (prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Glass fibers, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Polyesters, uses
 RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
 (prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Phenolic resins, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (epoxy, novolak, ECN-type; prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Rubber, synthetic
 RL: MOA (Modifier or additive use); USES (Uses)
 (ethylene-glycidyl **methacrylate**-Me **acrylate**, impact modifier; prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Plastics, reinforced
 RL: POF (Polymer in formulation); TEM (Technical or engineered material use); USES (Uses)
 (glass fiber-, prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Rubber, butadiene-styrene, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (hydrogenated, block, triblock, impact modifier; prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT Epoxy resins, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (phenolic, novolak, ECN-type; prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT 822-16-2, Sodium stearate

RL: CAT (Catalyst use); USES (Uses)
 (prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT 25085-98-7, ERL 121
 RL: MOA (Modifier or additive use); USES (Uses)
 (prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT 24936-69-4, Poly(1,4-cyclohexanedimethanol terephthalate) 24968-12-5,
 Poly(butylene terephthalate) 25037-99-4, 1,4-Cyclohexanedimethanol-
 terephthalic acid copolymer 25038-59-9, Poly(ethylene terephthalate),
 uses 26062-94-2, Poly(butylene terephthalate)
 RL: POF (Polymer in formulation); TEM (Technical or engineered material
 use); USES (Uses)
 (prodn. of hydrolytic stable glass fiber-reinforced polyester resins)

IT 106107-54-4
 RL: MOA (Modifier or additive use); USES (Uses)
 (rubber, hydrogenated, block, triblock, impact modifier; prodn. of
 hydrolytic stable glass fiber-reinforced polyester resins)

IT 51541-08-3, Ethylene-glycidyl **methacrylate**-methyl
acrylate copolymer
 RL: MOA (Modifier or additive use); USES (Uses)
 (rubber, impact modifier; prodn. of hydrolytic stable glass
 fiber-reinforced polyester resins)

L6 ANSWER 2 OF 4 CA COPYRIGHT 2000 ACS
 AN 107:178176 CA
 TI Use of aromatic amines for setting epoxide resins
 IN Nichols, Gus
 PA USA
 SO U.S., 9 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 IC ICM C08G059-54
 ICS C08G059-68
 NCL 528088000
 CC 42-9 (Coatings, Inks, and Related Products)
 Section cross-reference(s): 25, 27, 37

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4668757	A	19870526	US 1984-593592	19840326
AB	Arom. amines and their alkyl, imine, amide, and/or imide group-contg. derivs. are used with epoxy resins and catalysts comprising phenols, cresols, etc., in the prepn. of compns. which cure at ambient temps. The compns. are useful as 2-component coating or casting systems. Condensing 2.0 mol 2,4-bis(p-aminobenzyl)aniline with 3.0 mol phthalic anhydride to remove 3.0 mol H ₂ O gave an imide-amine, which (47 g) was mixed with 28 g iso-BuCOMe and 25 g toluene to give a soln. The soln. was mixed an equal amt. of a soln. comprising Epon 828 51.3, o- cresol 5, toluene 12, and iso-BuCOMe 31.7 g to give a coating compn. which had pot life 1.5 h and gave coatings which were tackfree after 3 h and hard after 12 h. Without o- cresol , the films remained tacky for weeks.				
ST	amine arom hardening epoxy coating; phenol catalyst hardening epoxy amine;				
	cresol catalyst hardening epoxy amine; amide amine arom hardening epoxy; imide amine arom hardening epoxy; crosslinking epoxy arom amine catalyst; imine amine arom hardening epoxy				
IT	Crosslinking agents				
	(arom. amines, for epoxy resins in presence of phenol catalysts)				
IT	Phenols, uses and miscellaneous				
	RL: CAT (Catalyst use); USES (Uses)				
	(catalysts, for curing of epoxy resins by arom. amines)				
IT	Epoxy resins, uses and miscellaneous				
	RL: USES (Uses)				
	(curing of, by arom. amines, catalysts for)				
IT	Coating materials				

(epoxy resin-arom. amine compds., curing of, catalysts 101,
IT Crosslinking catalysts
(phenols, for epoxy resins by arom. amines)
IT Amides, uses and miscellaneous
Amines, uses and miscellaneous
RL: USES (Uses)
(aryl, curing by, of epoxy resins, catalysts for)
IT Crosslinking
(room-temp., of epoxy resins by arom. amines in presence of phenols)
IT 95-48-7, o-Cresol, uses and miscellaneous 95-57-8,
o-Chlorophenol 1300-71-6, Xylenol 25154-52-3, Nonylphenol
28805-86-9, Butylphenol
RL: CAT (Catalyst use); USES (Uses)
(catalysts, for curing of epoxy resins with arom. amines)
IT 62-53-3D, Aniline, reaction products with acrylic compds. 64-18-6D,
Formic acid, reaction products with arom. amines 79-06-1D, reaction
products with arom. amines 79-14-1D, Hydroxyacetic acid, reaction
products with arom. amines 80-08-0D, Bis(4-aminophenyl)sulfone,
reaction
products with arom. dicarboxylic anhydrides 85-42-7D, Hexahydrophthalic
anhydride, reaction products with arom. amines 85-43-8D,
Tetrahydrophthalic anhydride, reaction products with arom. amines
85-44-9D, reaction products with arom. amines 101-77-9D, reaction
products with carboxylic anhydrides 101-80-4D, Bis(4-aminophenyl)
ether,
reaction products with dicarboxylic anhydrides and acrylic compds.
107-13-1D, reaction products with arom. amines 108-31-6D, Maleic
anhydride, reaction products with arom. amines 108-45-2D,
m-Phenylenediamine, reaction products with acrylic compds. 110-26-9D,
Methylenebisacrylamide, reaction products with arom. amines 143-07-7D,
Lauric acid, reaction products with arom. amines 149-57-5D,
2-Ethylhexanoic acid, reaction products with arom. amines 818-61-1D,
reaction products with arom. amines 15625-89-5D, reaction products with
arom. amines 17831-71-9D, reaction products with arom. diamines
25377-73-5D, Dodecenylsuccinic anhydride, reaction products with arom.
amines 25584-83-2D, Hydroxypropyl **acrylate**, reaction products
with arom. diamines 25834-80-4D, 2,4-Bis(4-aminobenzyl)aniline,
reaction
products with carboxylic acids and anhydrides and acrylic compds.
110712-35-1D, reaction products with tetraethylene glycol diacrylate and
hydroxypropyl **acrylate**
RL: USES (Uses)
(curing by, of epoxy resins in presence of phenol catalysts)
IT **25085-98-7**
RL: USES (Uses)
(curing of, by arom. amines)
IT 25068-38-6 37348-52-0
RL: USES (Uses)
(curing of, by arom. amines, catalysts for)
IT 110712-34-0 110712-36-2 110742-26-2
RL: USES (Uses)
(curing of, catalysts for)
IT 43078-52-0P 110712-35-1P 110742-25-1P
RL: PREP (Preparation)
(manuf. of, for curing of epoxy resins in presence of phenol
catalysts)
IT 101-80-4
RL: RCT (Reactant)
(reaction of, with Me **acrylate**)
IT 552-30-7
RL: RCT (Reactant)
(reaction of, with methylenedianiline)
IT 96-33-3, Methyl **acrylate**
RL: RCT (Reactant)
(reaction of, with oxydianiline)

L6 ANSWER 3 OF 4 COPYRIGHT 2000 ACS
 AN 107:124699 CA
 TI Process for producing a liquid jet recording head
 IN Noguchi, Hiromichi
 PA Canon K. K. , Japan
 SO U.S., 11 pp.
 CODEN: USXXAM

DT Patent
 LA English
 IC ICM B44C001-22
 ICS B29C017-08; C03C015-00; C03C025-06

NCL 156655000

CC 74-12 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4657631	A	19870414	US 1985-811460	19851220
	US 4775445	A	19881004	US 1987-1174	19870107
PRAI	JP 1984-274689		19841228		
	US 1985-811460		19851220		

AB A liq. jet recording head comprised of a liq. flow path, a liq. ejection port, and a liq. ejection energy-generating member arranged along the

liq. flow path is comprised of forming a solid layer comprised of pos. photoresist on a substrate in accordance with the pattern of the liq.

flow path, filling up the recess on the substrate where the solid layer is not present with a liq. flow path wall-forming material, and removing the solid layer from the substrate. The recording head thus produced is inexpensive, precise, highly reliable, and excellent in mech. strength

and chem. resistance. A pos. photoresist layer (OZATEC R225) was formed on a glass substrate provided with electrothermal transducers as liq. ejecting energy-generating members, exposed through a photomask to UV, developed with an aq. caustic soda soln., sputtered with a Cr wall layer, electrolytically plated with a Ni wall layer, and treated with an EtOH-dodecylbenzenesulfonic acid mixt. to remove the resist layer to give a liq. jet recording head.

ST ink jet recording head prepn; photosensitive resin ink jet head; pos photoresist ink jet head

IT Printing apparatus

(ink-jet, heads, photofabrication of, using pos. photoresists)

IT 57835-99-1

RL: USES (Uses)

(curable resin compns. contg. epoxy resins and, for photofabrication of ink-jet recording heads using pos. photoresist)

IT 37189-54-1 39701-29-6 80940-81-4, Acrysirup SY-105 95078-13-0 95078-16-3 110158-77-5

RL: USES (Uses)

(curable resin compns. contg., for photofabrication of ink-jet recording heads using pos. photoresist)

IT 110158-67-3

RL: USES (Uses)

(in photofabrication of ink-jet recording heads)

IT 7440-02-0, Nickel, uses and miscellaneous

RL: USES (Uses)

(ink-jet recording heads with walls of chromium and, photofabrication of, using pos. photoresist)

IT 7440-47-3, Chromium, uses and miscellaneous

RL: USES (Uses)

(ink-jet recording heads with walls of nickel and, photofabrication

of,

using pos. photoresist/
 IT 9003-09-2, Poly(hyl vinyl ether) 9003-32-1, Poly(ethyl
acrylate)
 RL: USES (Uses)
 (pos. photoresist contg. trihydroxybenzophenone
 naphthoquinonediazidosulfonate and, in photofabrication of ink-jet
 recording heads)
 IT 107853-40-7
 RL: USES (Uses)
 (pos. photoresist from **cresol**-formaldehyde copolymer and, in
 photofabrication of ink-jet recording heads)
 IT 9016-83-5
 RL: USES (Uses)
 (pos. photoresist from trihydroxybenzophenone
 naphthoquinonediazidosulfonate and, in photofabrication of ink-jet
 recording heads)

L6 ANSWER 4 OF 4 CA COPYRIGHT 2000 ACS
 AN 106:103465 CA
 TI Photocurable epoxy resin potting compositions
 IN Yamase, Yukio; Takahashi, Eiji
 PA Nippon Soda Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 15 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM C08G059-34
 ICS C08G059-18; C08G059-68; C08L063-08
 ICA G09F009-35
 CC 38-3 (Plastics Fabrication and Uses)
 Section cross-reference(s): 76

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 61231022	A2	19861015	JP 1985-71700	19850404

AB Compns. comprise butadiene polymers contg. av. 1.5 epoxy groups/mol.
 10-70, .gtoreq.1 epoxy resin selected from alicyclic, bisphenol A-based,
 bisphenol F-based, **novolac**, and hydrogenated bisphenol A epoxy
 resins 30-90, a light-sensitive arom. onium salt 0.1-5.0, a (meth)acrylic
 ester 5-50, and a polymerizable substituent-contg. sensitizer 0.001-0.5
 parts. The compns. have good adhesion, temp. shock resistance, and liq.
 crystal compatibility and are esp. useful as potting compns. for liq.
 crystal cells. Thus, a mixt. of epoxidized 1,2-polybutadiene (BF-1000)
 50, an alicyclic epoxy resin (ERL-4299) 50, triphenylsulfonium
 hexafluoroantimonate (50% propylene carbonate soln.) 1,
 trimethylolpropane
 triacrylate 20, and vinylanthracene 0.05 part was blended to give a
 compn.
 having pot-life >60 days, hardening time 2.0 s, pencil hardness 4 H,
 glass
 transition temp. 80.0.degree., and good crosslinking properties.
 ST liq crystal epoxy resin potting; photocurable epoxy resin potting compn;
 polybutadiene epoxidized potting compn; methylolpropane **acrylate**
 epoxy resin potting
 IT Light-sensitive materials
 (arom. onium salts, epoxidized polybutadiene-epoxy resin blends contg.
 potting compns. for liq. crystal cells)
 IT Potting compositions
 (epoxidized polybutadiene-epoxy resin blends contg. light-sensitive
 arom. onium salts and sensitizers and (meth)acrylic esters, for liq.
 crystal cells)
 IT Onium compounds
 RL: USES (Uses)
 (photocurable epoxy potting compns. contg., for liq. crystal cells)
 IT Epoxy resins, uses and miscellaneous

RL: USES (Uses)
 (potting compns. contg., for liq. crystals)

IT Semiconductor devices
 (potting compns. for, epoxidized polybutadiene-epoxy resin blends as)

IT Rubber, nitrile, compounds
 RL: USES (Uses)
 (carboxy-terminated, polymers with epoxy resins, as photocurable
 potting compns. for liq. crystals)

IT Rubber, butadiene, compounds
 RL: USES (Uses)
 (of 1,2-configuration, epoxidized, potting compns. contg., for liq.
 crystals)

IT Crosslinking catalysts
 (photochem., vinylanthracene, epoxidized polybutadiene-epoxy resin
 blends contg., potting compns. for liq. crystal cells)

IT 106-91-2, Glycidyl **methacrylate** 15625-89-5 29570-58-9
 RL: USES (Uses)
 (photocurable epoxy potting compns. contg., for liq. crystal cells)

IT **25085-98-7**, Celloxide 2021 25085-99-8 29797-71-5, ERL-4299
 67185-56-2, Epikote
 RL: USES (Uses)
 (potting compns. contg., for liq. crystal cells)

IT 9003-17-2D, epoxidized 88506-60-9
 RL: USES (Uses)
 (potting compns. contg., for liq. crystals)

IT 9003-18-3
 RL: USES (Uses)
 (rubber, carboxy-terminated, polymers with epoxy resins, as
 photocurable potting compns. for liq. crystals)

IT 9003-17-2
 RL: USES (Uses)
 (rubber, of 1,2-configuration, epoxidized, potting compns. contg., for
 liq. crystals)

IT 313-39-3, Diphenyliodonium tetrafluoroborate 1108-21-0,
 Triphenylphenacylphosphonium tetrafluoroborate
 RL: USES (Uses)
 (sensitizer, for photocurable epoxy potting compns. for liq. crystal
 cells)

IT 30521-30-3, Vinylanthracene 106329-98-0 107109-21-7
 RL: USES (Uses)
 (sensitizers, epoxidized polybutadiene-epoxy resin blends contg.,
 potting compns. for liq. crystal cells)

=> d his

(FILE 'HOME' ENTERED AT 16:13:27 ON 20 SEP 2000)

FILE 'REGISTRY' ENTERED AT 16:13:44 ON 20 SEP 2000

L1 1 S CYRACURE AND 6105
 L2 6 S EPON AND 1050
 L3 0 S EPON 1050

FILE 'CA' ENTERED AT 16:15:00 ON 20 SEP 2000

L4 1632 S L1
 L5 32 S L4 AND (NOVOLAC OR CRESOL)
 L6 4 S L5 AND (FREE RADICAL? OR ACRYLATE? OR METHACRYLATE?)

=> file uspatful

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

18.18

43.37

CA SUBSCRIBER PRICE

ENTRY
2.12SESSION
-2.12

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 19 Sep 2000 (20000919/PD)
FILE LAST UPDATED: 19 Sep 2000 (20000919/ED)
HIGHEST PATENT NUMBER: US6122767
CA INDEXING IS CURRENT THROUGH 19 Sep 2000 (20000919/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 19 Sep 2000 (20000919/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jul 2000
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jul 2000

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>>> terms from the IPC subject headings and subheadings. <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s 16

482 L1
5454 NOVOLAC
23940 CRESOL
948540 FREE
160754 RADICAL?
36655 FREE RADICAL?
(FREE(W)RADICAL?)
83738 ACRYLATE?
77339 METHACRYLATE?
L7 129 L5 AND (FREE RADICAL? OR ACRYLATE? OR METHACRYLATE?)

=> s 11(p) (novolac or cresol) and free radical?

482 L1
5454 NOVOLAC
23940 CRESOL
0 L1(P) (NOVOLAC OR CRESOL)
948540 FREE
160754 RADICAL?
36655 FREE RADICAL?
(FREE(W)RADICAL?)
L8 0 L1(P) (NOVOLAC OR CRESOL) AND FREE RADICAL?

=> d his

(FILE 'HOME' ENTERED AT 16:13:27 ON 20 SEP 2000)

FILE 'REGISTRY' ENTERED AT 16:13:44 ON 20 SEP 2000

L1 1 S CYRACURE AND 6105
L2 6 S EPDM AND 1050
L3 0 S EPDM 1050

FILE 'CA' ENTERED AT 16:15:00 ON 20 SEP 2000

L4 1632 S L1
L5 32 S L4 AND (NOVOLAC OR CRESOL)
L6 4 S L5 AND (FREE RADICAL? OR ACRYLATE? OR METHACRYLATE?)

FILE 'USPATFULL' ENTERED AT 16:17:02 ON 20 SEP 2000

L7 129 S L6
L8 0 S L1(P) (NOVOLAC OR CRESOL) AND FREE RADICAL?

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.14	45.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.12

STN INTERNATIONAL LOGOFF AT 16:18:03 ON 20 SEP 2000

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FILE 'REGISTRY' ENTERED AT 13:38:22 ON 21 SEP 2000

L1	24 S ERL 4221
L2	1 S ERL 4221/CN
L3	0 S DEN 428
L4	241 S DEN 438
L5	1 S DEN 438/CN

FILE 'USPATFULL' ENTERED AT 13:39:50 ON 21 SEP 2000

L6	440 S DEN 438
L7	320 S L6 AND VISCOSITY
L8	18 S L7 AND POISE
L9	18 S L7 (25A) POISE
L10	18 S L7 (P) POISE
L11	659 S VINYL TOLUENE (P) RADICAL?